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## UTILITY PATENT APPLICATION TRANSMITTAL

| Attorney Docket No. |   | 19647.1                                  |  |  |  |
|---------------------|---|--|--|--|--|
| First Inventor      |   | L. Tsakalakos                            |  |  |  |
| Title               | Elongated Nano-Structures and Related Devices |  |  |  |  |
|                     |   | =1.4040000000000000000000000000000000000 |  |  |  |

| (Only for new nonprovision   | nal applications under 37 CFR 1.53(b)  | ) $E$    | xpress  | Mail Label No.                      | EV 3190       | 8792      | 25 US        | <b>_</b> _ノ   |
|--|--|----------|---|-------------------------------------|---------------|-----------|--------------|---------------|
| APPLICATION ELEMENTS   |  |          | ADDRESS TO: Assistant Commissioner for Patents Box Patent Application                             |                                     |               |           |              |               |
|  | cerning utility patent application conte   | nts.     |   | <u>\</u>                            | ashington,    | DC 20     | 231          | <u>e</u> _    |
| 1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)  Applicant claims small entity status. |  |          | 7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)                        |                                     |               |           |              |               |
| 2. See 37 CFR 1.27.  |  |          | 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)                |                                     |               |           | 7%           |               |
| 3. Specification [Total Pages 22] - Descriptive title of the invention   |  |          | a. Computer Readable Form (CRF) b. Specification Sequence Listing on:                             |                                     |               |           |              |               |
| - Gross Reference to Related Applications  |  |          | D. 3  | · – ·                               | •             |           |              | 7             |
| _  | arding Fed sponsored R & D   |          |   | i. U CD-ROM                         | or CD-R (2    | copie     | s); or       |               |
|  | equence listing, a table,<br>regram listing appendix                             |          |   | ii. 🔲 🏻 paper                       |               |           |              |               |
| - Background of  |  |          | с. [  | Statements veri                     | ying identit  | y of ab   | ove copies   | ;             |
| - Brief Summary  |  |          |   | CCOMPANYING                         | APPI IC       | :ATIC     | ON PART      | rs            |
| - Brief Descriptio<br>- Detailed Descri  | n of the Drawings ( <i>if filed</i> )  |          |   |                                     |               |           | _            |               |
| - Claim(s)   | ption  |          | 9. [  |                                     | •             | neel a    |              |               |
| - Abstract of the  | Disclosure   |          | 10. 37 CFR 3.73(b) Statement (when there is an assignee) Power of Attorney                        |                                     |               |           |              |               |
| 4. Prawing(s) (35 U  | .S.C. 113) [Total Sheets 5   | ] ]      | 11. English Translation Document (if applicable)  |                                     |               |           |              |               |
| 5. Oath or Declaration [ Total Pages 3 ]   |  |          | 12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations                       |                                     |               |           |              |               |
|  | uted (original or copy)  |          | 13.   | Preliminary Ame                     | ndment        |           |              |               |
| b. Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)                                   |  |          | 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)                          |                                     |               |           |              |               |
| i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s)  |  |          | 15. Certified Copy of Priority Document(s) (if foreign priority is claimed)                       |                                     |               |           |              |               |
| named in t   | he prior application, see 37 CFR   |          | 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 |                                     |               |           |              |               |
| 1.63(d)(2) and 1.33(b).  |  |          | '   |                                     |               | attach    | form PTO/    | SB/35         |
| 6. Application Data  | Sheet. See 37 CFR 1.76   |          | 1,- 5   | or its equivalent.  Other: Certific | ete of Expre  | ss Ma     | il:·Post·Ga  | rd:           |
| Application bata   |  |          | 17.   |                                     | or \$1,662.0  |           |              |               |
|  | CATION, check appropriate box, and   | supply ( | the requ  | isite information belo              | w and in a p  | relimii   | nary amend   | dment,        |
| or in an Application Data She  |  | CID)     |   |                                     |               |           |              |               |
|  |  | CIP      | C   | of prior application No.:/          |               |           |              |               |
| Prior application information:   | Examiner:  |          |   | Group Art Un                        |               | la ration | . la aumolia | l under       |
|  | ONAL APPS only: The entire disclosure<br>f the disclosure of the accompanying co |          |   |                                     |               |           |              |               |
| The incorporation can only be  | relied upon when a portion has been ina  | dvertent | ly omitte   | ed from the submitted               | application p | parts.    |              |               |
|  | 19. CORRESPO   | NDEN     | E ADD   | RESS                                |               |           | ····         |               |
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|  | 1201 West Peachtree Street   |          |   |                                     |               |           |              |               |
| Address  | Suite 2800   |          |   |                                     |               | -         |              |               |
| City   | Atlanta  | Si       | tate  | GA                                  | Zip C         | Code      | 30309        |               |
| Country  | USA  | Teleph   | one   | (404)873-8696                       | ) Fé          | ax.       | (404)873     | -8697         |
| Name (Print/Type)  | Bryan W./Bockhop   |          | Regi  | stration No. (Attorn                | ey/Agent)     |           | 39,613       | $\overline{}$ |
| Signature All  |  |          |   |                                     | Date          | 11/2      | 25/2003      |               |
|  | "VI 70 VI  |          |   |                                     |               |           |              |               |

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Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

| TOTAL AMOUNT OF PAYMENT | 18 | 1,662.00   |
|-------------------------|----|------------|
| TOTAL AMOUNT OF PATMENT | ĮΨ | , 1,002.00 |

| Complete if Known    |                    |  |  |
|----------------------|--------------------|--|--|
| Application Number   | Unassigned         |  |  |
| Filing Date          | Novermber 25, 2003 |  |  |
| First Named Inventor | L. Tsakalakos      |  |  |
| Examiner Name        | Unassigned         |  |  |
| Art Unit             | Unassigned         |  |  |
| Attorney Docket No.  | 139081-1 (19647.1) |  |  |

| METHOD OF PAYMENT (check all that apply)   | FEE CALCULATION (continued) |  |          |  |  |
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| Deposit Account:   | Large Entity                |  |          |  |  |
| Deposit 50000  | Fee Fee<br>Code (\$)        | Fee Fee Fee Description Code (\$) Fee Paic   | _        |  |  |
| Account 502666   | 1051 130                    | 2051 65 Surcharge - late filing fee or oath  | _] '     |  |  |
| Deposit<br>Account   | 1052 50                     | 2052 25 Surcharge - late provisional filing fee or cover sheet                     | 4        |  |  |
| Name The Director is authorized to: (check all that apply)                                 | 1053 130                    | 1053 130 Non-English specification   | 4        |  |  |
| Charge fee(s) indicated below Credit any overpayments                                      | 1812 2,520                  | 1812 2,520 For filing a request for ex parte reexamination                         | 4        |  |  |
| Charge any additional fee(s) or any underpayment of fee(s)                                 | 1804 920°                   | 1804 920* Requesting publication of SIR prior to Examiner action                   |          |  |  |
| Charge fee(s) indicated below, except for the filing fee                                   | 1805 1,840*                 | 1805 1,840* Requesting publication of SIR after Examiner action                    | ╛        |  |  |
| to the above-identified deposit account.   | 1251 110                    | 2251 55 Extension for reply within first month                                     | ┙        |  |  |
| FEE CALCULATION  | 1252 420                    | 2252 210 Extension for reply within second month                                   | _        |  |  |
| 1. BASIC FILING FEE Large Entity Small Entity  | 1253 950                    | 2253 475 Extension for reply within third month                                    | ╛        |  |  |
| Fee Fee Fee Fee Description Fee Paid   | 1254 1,480                  | 2254 740 Extension for reply within fourth month                                   | ┙        |  |  |
| Code (\$) Code (\$) 1001 770 2001 385 Utility filing fee                                   | 1255 2,010                  | 2255 1,005 Extension for reply within fifth month                                  | 4        |  |  |
| 1002 340 2002 170 Design filing fee 770.00   | 1401 330                    | 2401 165 Notice of Appeal  | 4        |  |  |
| 1003 530 2003 265 Plant filing fee   | 1402 330                    | 2402 165 Filing a brief in support of an appeal                                    | 4        |  |  |
| 1004 770 2004 385 Reissue filing fee   | 1403 290                    | 2403 145 Request for oral hearing  | ┙        |  |  |
| 1005 160 2005 80 Provisional filing fee  | 1451 1,510                  | 1451 1,510 Petition to institute a public use proceeding                           | ╛        |  |  |
| SUBTOTAL (1) (\$) 770.00   | 1452 110                    | 2452 55 Petition to revive - unavoidable   | 4        |  |  |
|  | 1453 1,330                  | 2453 665 Petition to revive - unintentional  | 4        |  |  |
| 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  | 1501 1,330                  | 2501 665 Utility issue fee (or reissue)  | _        |  |  |
| Extra Claims below Fee Paid  | 1502 480                    | 2502 240 Design issue fee  | _        |  |  |
| Total Claims 53 -20** = 33 X 18 = 594.00   | 1503 640                    | 2503 320 Plant issue fee   | 4        |  |  |
| Claims 0 -3" = 5 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \                                       | 1460 130                    | 1460 130 Petitions to the Commissioner   | _        |  |  |
| Multiple Dependent 0 =0  | 1807 50                     | 1807 50 Processing fee under 37 CFR 1.17(q)  | 4        |  |  |
| Large Entity   Small Entity Fee Fee Fee Fee Fee Description                                | 1806 180                    | 1806 180 Submission of Information Disclosure Stmt                                 | 4        |  |  |
| Code (\$) Code (\$)  | 8021 40                     | 8021 40 Recording each patent assignment per property (times number of properties) | ╛        |  |  |
| 1202 18 2202 9 Claims in excess of 20<br>1201 86 2201 43 Independent claims in excess of 3 | 1809 770                    | 2809 385 Filing a submission after final rejection (37 CFR 1.129(a))               |          |  |  |
| 1203 290 2203 145 Multiple dependent claim, if not paid                                    | 1810 770                    | 2810 385 For each additional invention to be                                       | 7        |  |  |
| 1204 86 2204 43 ** Reissue independent claims  | 4004 770                    | examined (37 CFR 1.129(b))   | $\dashv$ |  |  |
| over original patent   | 1801 770                    | 2801 385 Request for Continued Examination (RCE)                                   | $\dashv$ |  |  |
| 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent                  | 1802 900                    | 1802 900 Request for expedited examination of a design application                 | 4        |  |  |
| SUBTOTAL (2) (\$) 852.00   | Other fee (sp               | Other fee (specify)  |          |  |  |
| **or number previously paid, if greater; For Reissues, see above                           | *Reduced by                 | Basic Filing Fee Paid SUBTOTAL (3) (\$) 40.00                                      | _}       |  |  |

(Complete (if applicable)) SUBMITTED BY Registration No. 39.613 Telephone (404)873-8696 Name (Print/Type) Bryan W. Bøckhop (Attorney/Agent) 11/25/2003 Signature

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